



# 2013-2014 EMERGENCY MANAGEMENT AND HOMELAND SECURITY TRAINING CENTER COURSE CATALOG

The Michigan Department of State Police (MSP) is partnered with the Michigan Department of Community Health (MDCH) to provide an online registration process and web-based learning community. [MI-TRAIN](#) is designed to give students a single location to register for courses, take online courses, and direct access to their certificates and transcripts. There are various ways to find courses; however, it is recommended to enter the Course ID (listed below) into the search box located on the top right of the MI-TRAIN home page.

## FY 2014 COURSE DATES

COURSE TITLE (Alphabetically Listed)	MI-TRAIN COURSE ID	DATES
<a href="#">51<sup>st</sup> CST/Hazmat Teams Training and Exercise</a>	1045109 Training  1045664 Exercise	November 12-14, 2013 December 3-5, 2013 January 28-29, 2014 March 11-12, 2014 April 15-16, 2014 May 6-7, 2014 July 15-16, 2014 September 9-10, 2014
<a href="#">Advanced CAMEO for All Hazards Suite (Mgt 320)</a>	1029075	June 2-4, 2014
<a href="#">Advanced Cardiac Life Support (ACLS)</a>	1034708	Contact staff to schedule.
<a href="#">Advanced Cardiac Life Support (ACLS) Refresher</a>	1034710	Contact staff to schedule.
<a href="#">Advanced Disaster Management Simulator (ADMS) Training</a>	Various	Contact staff to schedule.
<a href="#">Advanced HazMatIQ – Technician Level</a>	1033952	February 14, 2014
<a href="#">Air Monitoring for First Responder Operations Personnel</a>	N/A	Contact staff to schedule.
<a href="#">Air Monitoring for Hazardous Materials EPA 165.4</a>	1035025	Contact staff to schedule.
<a href="#">Area Rae Deployment, Operation, and Maintenance</a>	1045467	February 10, 2014 September 4, 2014
<a href="#">CBRNE Awareness Level (AWR-160)</a>	1029043	Contact staff to schedule.
<a href="#">Chemistry I</a>	1028961	October 21-23, 2013 April 8-10, 2014
<a href="#">Chemistry II</a>	1029000	November 5-7, 2013 May 6-8, 2014
<a href="#">Confined Space Rescue–Emergency Response 32 hr.</a>	N/A	Contact staff to schedule.
<a href="#">Confined Space Rescue–Private Sector</a>	N/A	Contact staff to schedule.
<a href="#">Federal Emergency Management Agency, National Domestic Preparedness Consortium (FEMA/NDPC) Training</a>	N/A	Various
<a href="#">First Receiver Training for Health Care Professionals</a>	1029097	Contact staff to schedule.
<a href="#">First Receiver Training for Health Care Professionals Train-the-Trainer</a>	1034433	Contact staff to schedule.
<a href="#">Gasoline Tank Truck Emergencies</a>	1029099	May 19, 2014 September 16, 2014
<a href="#">Hazard Communication and Right-to-Know</a>	1032780	Contact staff to schedule.
<a href="#">Hazardous Materials Emergency Medical Service (EMS) Part I</a>	1034592	January 29-31, 2014 August 20-22, 2014
<a href="#">Hazardous Materials Emergency Medical Service (EMS) Part II</a>	1034595	February 26-28, 2014 September 17-19, 2014
<a href="#">Hazardous Materials Incident Command Level Responder Refresher</a>	N/A	Contact staff to schedule.
<a href="#">Hazardous Materials Incident Command System</a>	N/A	Contact staff to schedule.
<a href="#">Hazardous Materials Incident Response Operations EPA 165.5 (40-Hour HAZWOPER)</a>	1029070	March 3-7, 2014 September 8-12, 2014
<a href="#">Hazardous Materials Officer (NFPA 472, Chapters 11 and 12)</a>	1034094	November 18-21, 2013 April 14-17, 2014
<a href="#">Hazardous Materials Operations Level Responder Refresher</a>	N/A	Contact staff to schedule.

<a href="#">Hazardous Materials Operations Level Response-Private Sector</a>	1037212	Contact staff to schedule.
<a href="#">Hazardous Materials Technician Level Responder Refresher</a>	1030540	Contact staff to schedule.
<a href="#">Hazardous Materials Technician Level Response-Private Sector-24-Hour &amp; 40-Hour</a>	1033199	Contact staff to schedule.
<a href="#">Hazardous Materials Technician Part I</a>	1029020	March 17-21, 2014 May 9-11 and 16-18, 2014 September 22-26, 2014
<a href="#">Hazardous Materials Technician Part II</a>	1029041	October 14-18, 2013 April 21-25, 2014 August 25-29, 2014
<a href="#">Hazardous Waste Operations (HAZWOPER) 8-Hour Refresher</a>	1029004	November 13, 2013 February 19, 2014 May 1, 2014 September 3, 2014
<a href="#">Hazardous Waste Operations for Site Supervisors</a>	N/A	Contact staff to schedule.
<a href="#">HazMatI/Q First Responder Offensive–Operations Level</a>	1033910	October 2, 2013
<a href="#">HazMatI/Q Above the Line/Below the Line–Technician Level</a>	1033943	October 3, 2013 January 8, 2014 February 13, 2014
<a href="#">Highway Cargo Tank Specialty</a>	1034713	March 24-26, 2014
<a href="#">ICS 300–Intermediate ICS for Expanding Incidents</a>	1029037	October 29-30, 2013 April 1-2, 2014
<a href="#">ICS 400–Advanced ICS Command &amp; General Staff–Complex Incidents</a>	1029045	December 16-17, 2013 April 28-29, 2014
<a href="#">Incident Command System/Emergency Operations Center (ICS/EOC) Interface-All Disciplines (G-191)</a>	N/A	Contact staff to schedule.
<a href="#">Incident Command System (ICS) Private Sector</a>	1037214	Contact staff to schedule.
<a href="#">Intermodal Specialty for Hazardous Materials Technicians</a>	1029067	Contact staff to schedule.
<a href="#">Introduction to CAMEO Suite (PER 229)</a>	1029062	February 4-6, 2014
<a href="#">Mercury Spill Response</a>	1032685	Contact staff to schedule.
<a href="#">Permit Required Confined Space (PRCS) Entry–Private Sector</a>	N/A	Contact staff to schedule.
<a href="#">Professional Recognition Programs</a>	N/A	Various
<a href="#">Railcar Specialty for Hazardous Materials Technician</a>	1029065	Contact staff to schedule.
<a href="#">WMD Radiological/Nuclear Awareness (AWR-140)</a>	N/A	Contact staff to schedule.

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## 51<sup>st</sup> CST/Hazmat Teams Training and Exercise

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The Michigan National Guard 51st WMD Civil Support Team (CST) is required to conduct regional exercises each fiscal year. The 51st CST requested the assistance of the Michigan State Police, Emergency Management and Homeland Security Training Center (EMHSTC) to reach out to the local Hazardous Materials (HazMat) teams to provide a preceding day of training in collaboration with these regional monthly exercises. All regional first responders including fire, law enforcement, HazMat, EMS, bomb and tactical teams are encouraged to attend the training and exercise in part or for the full duration.

The EMHSTC is committed to delivering an educational day of training to prepare the local HazMat teams for these exercises. The EMHSTC plans to cover the following topics:

- 51st CST equipment overview
- 51st CST tactics, techniques, and procedures
- Interoperable communications
- Michigan Emergency Management Plan (MEMP)
- DOD emergency response capabilities
- IAP development and the use of ICS 200 forms
- DOD emergency
- Any pertinent HazMat refresher topics

In addition, we welcome any additional requests for training subjects that would be jurisdictional specific. All participants will be required to sign in for the day(s) on the ICS 211 Check in sheet. Please feel free to contact Tony Garcia at [garciat@michigan.gov](mailto:garciat@michigan.gov) or 517-322-1853 for details specific to your regional training exercise.

**Hours:** Various

**Cost:** No Cost

**MI-TRAIN Course IDs:** 1045109 Training  
1045664 Exercise

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**Dates and Locations:** November 12-14, 2013 for Region 2 South (Monroe County)  
December 3-5, 2013 for Region 1  
January 28-29, 2014 for Region 8 (Houghton/Hancock)  
March 11-12, 2014 for Region 2 North (Detroit)  
April 15-16, 2014 for Region 3  
May 6-7, 2014 for Region 7 (Traverse City)  
July 15-16, 2014 for Region 5  
September 9-10, 2014 for Region 6

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## Advanced CAMEO for All Hazards Suite (Mgt 320)

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This course is taught by National Center for Biomedical Research and Training Academy of Counter-Terrorist Education & Louisiana State University certified instructors. This performance-level course that is targeted at emergency responders and planners involved in planning for and responding to all-hazards emergency situations that may arise in their communities. The training reviews the fundamental elements of the CAMEO Suite (i.e. ALOHA, MARPLOT, Landview, and CAMEO [fm]) in relation to weapons of mass destruction (WMD) threats and includes detailed technical information and hands-on practice of critical elements of the Suite. To better understand how the programs interface, participants are provided opportunities to practice key CAMEO procedures that allow users to enhance planning and response activities associated with community risks. These exercises clarify the connections between the programs and how they can enhance emergency planning and response activities. The target audience for this course is EMS, EMA, FS, HC, HM, LE, or PH. This course is a U.S. Department of Homeland Security funded program, and is eligible for funding through the State Homeland Security Grant Program (SHSGP).

**Prerequisite:** Attendee must be an experienced CAMEO user with knowledge of CAMEO (fm) functions, ALOHA, and MARPLOT and familiarity with CAMEO (fm) Chemical Library functions

**Hours:** 24

**Cost:** No Cost

**MI-TRAIN Course ID:** 1029075

**Dates and Locations:** June 2-4, 2014 in Allegan County

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## Advanced Cardiac Life Support (ACLS)

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Upon completion of this eight-hour course, the participant will have been taught and/or demonstrated return performances related to the following American Heart Association ACLS course materials:

- Recognition of the adult in peri-arrest and/or at risk of cardiopulmonary arrest.
- Demonstration of the cognitive and psychomotor skills necessary for resuscitating and stabilizing the adult in respiratory failure, shock, or cardiopulmonary arrest.
- Demonstration of the use of the various airway and oxygen adjuncts and methods for optimum ventilation and airway control.
- Identification of normal vs. abnormal cardiac rhythms and the appropriate pharmacologic and electrical therapies.
- State the indications and dosages of medications used in cardiopulmonary arrest and the effects on the cardiovascular system.
- Performance of advanced skills in the assessment and treatment of cardiopulmonary arrest in the adult patient.

This course is eligible for Standardized E.M.S. Continuing Education Credits. Please reference the Pre-Approved Standardized CE Credits guide available at [http://www.michigan.gov/mdch/0,4612,7-132-2946\\_5093\\_28508-47472--,00.html#Forms\\_Pubs](http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--,00.html#Forms_Pubs) for further details.

**Eligibility Prerequisite:** This course is for medical providers, and other professionals, whose daily occupation requires them to either direct their staff or participate in the resuscitation of individuals, whether in or out of a hospital.

**Hours:** 8

**MI-TRAIN Course ID:** 1034708

Call (248) 390-4621 or e-mail [feichtnerj@michigan.gov](mailto:feichtnerj@michigan.gov) for cost and to schedule.

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## Advanced Cardiac Life Support (ACLS) Refresher

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Upon completion of this three-hour course, the participant will have reviewed and/or demonstrated return performances related to the following American Heart Association ACLS course materials:

- Recognition of the adult in peri-arrest and/or at risk of cardiopulmonary arrest.
- Demonstration of the cognitive and psychomotor skills necessary for resuscitating and stabilizing the adult in respiratory failure, shock, or cardiopulmonary arrest.
- Demonstration of the use of the various airway and oxygen adjuncts and methods for optimum ventilation and airway control.
- Identification of normal vs. abnormal cardiac rhythms and the appropriate pharmacologic and electrical therapies.
- State the indications and dosages of medications used in cardiopulmonary arrest and the effects on the cardiovascular system.
- Performance of advanced skills in the assessment and treatment of cardiopulmonary arrest in the adult patient.

**Eligibility Prerequisite:** This course is for medical providers, and other professionals, whose daily occupation requires them to either direct their staff or participate in the resuscitation of individuals, whether in or out of a hospital.

**Prerequisite:** Advanced Cardiac Life Support (ACLS)

**Hours:** 4

**MI-TRAIN Course ID:** 1034710

Call (248) 390-4621 or e-mail [feichtnerj@michigan.gov](mailto:feichtnerj@michigan.gov) for cost and to schedule.

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## Advanced Disaster Management Simulator (ADMS) Training

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The Advanced Disaster Management Simulator (ADMS) available through the Emergency Management and Homeland Security Training Center (EMHSTC) offers true-to-life virtual environments with artificial intelligence for training at all levels. Trainees gain practical experience and decision-making skills needed to successfully resolve real-life incidents. Scenarios can be tailored to meet your facility's specific hazards to provide personnel with initial and refresher training. The training hours vary depending upon the number of students and type of scenarios requested.

**Hours:** Various

E-mail [tackettc1@michigan.gov](mailto:tackettc1@michigan.gov) for cost and to schedule.

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## Advanced HazMatIQ – Technician Level

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Advanced HazMatIQ is designed to take responders from the basics of Hazard identification, meter and PPE selection to the more advanced emergency response sampling and chemical identifying. Once responders reach the Hot Zone, Advanced HazMatIQ instructs responders on “best practices” for emergency response sampling, then further explains the where, when, why and how to use Inferred and Raman technologies to properly identify unknown chemicals or simple mixtures.

**Prerequisites:** HazMatIQ Above the Line/Below the Line

**Hours:** 8

**Cost:** \$130

**MI-TRAIN Course ID:** 1033952

**Dates and Locations:** February 14, 2014 in Lansing

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## Air Monitoring for First Responder Operations Personnel

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This one-day course is intended to provide participants with the knowledge and skills necessary to meet the educational competencies as outlined in NFPA 472 Chapter 6: “Mission Specific Competencies for Air Monitoring and Sampling,” which will provide participants with the knowledge and skills necessary to monitor for airborne hazardous substances at incidents. The primary focus of this course will be the first due company and what their priorities are for air monitoring and corresponding action levels. Through the utilization of basic air monitoring, the first company can better identify the hazards and choose the best course of actions based on the principles of risk based response. A variety of instruments will be used during the course presentation and practical exercises, including combustible gas indicators, oxygen sensors, and different test papers. This course is important for every operations trained first responder.

This course is Department of Homeland Security (DHS) accepted and applicable to the use of DHS grant funds.

**Prerequisite:** Hazardous Materials First Responder Operations

**Hours:** 8

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Air Monitoring for Hazardous Materials EPA 165.4

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This three-day course provides participants with the knowledge and skills necessary to monitor and sample for airborne hazardous substances. A variety of instruments will be used during the course presentation and practical exercises, including combustible gas indicators, oxygen sensors, colorimetric tubes, photo ionization detectors, flame ionization detectors, and sampling pumps. Topics to be covered include monitoring programs, monitoring and sampling techniques, equipment selection, equipment calibration and use, exposure guidelines, air dispersion modeling, and safety planning.

This course is Department of Homeland Security (DHS) accepted and applicable to the use of DHS grant funds.

**Prerequisite:** Hazardous Materials Technician Part I

**Hours:** 24

**MI-TRAIN Course ID:** 1035025

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule

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## Area Rae Deployment, Operation, and Maintenance

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This eight-hour course covers the use of Area Rae monitors. Primarily classroom based, this course will teach the student to operate, maintain, and deploy area rae monitors at an incident. Students will also learn basic repairs to monitors saving time and money on unnecessary repairs. Students will grasp when and where to deploy monitors and how to translate monitor readings into usable data.

Call (517) 322-5922 or e-mail [thompsonc3@michigan.gov](mailto:thompsonc3@michigan.gov) to schedule this course at your facility.

**Hours:** 8

**Cost:** \$130

**MI-TRAIN Course ID:** 1044621

**Dates and Locations:** February 10, 2014 in Lansing  
September 4, 2014 in Lansing

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## CBRNE Awareness Level (AWR-160)

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Developed by the National Domestic Preparedness Consortium (NDPC), this WMD Awareness course is an eight-hour training program providing emergency responders with awareness-level instruction about recognition, avoidance, isolation, and notification techniques in a weapon of mass destruction (WMD) environment. This course covers the strategies of prevention, deterrence, and identification of potential terrorist acts, as well as targets, and chemical, biological, radiological, nuclear, and explosive (CBRNE) hazards.

This course is eligible for Standardized E.M.S. Continuing Education Credits. Please reference the Pre-Approved Standardized CE Credits guide available at [http://www.michigan.gov/mdch/0,4612,7-132-2946\\_5093\\_28508-47472--00.html#Forms\\_Pubs](http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--00.html#Forms_Pubs) for further details.

**Hours:** 8

**MI-TRAIN Course ID:** 1029043

Call 517-322-1585 or e-mail [darlingm1@michigan.gov](mailto:darlingm1@michigan.gov) to schedule.

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## Chemistry I

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The Chemistry of Hazardous Materials courses presented by the Emergency Management and Homeland Security Training Center are designed to meet the needs of personnel involved at various stages of hazardous materials planning and response. The Chemistry course series provides a chemistry background for any person who comes in contact with hazardous materials in transportation, a facility, or the workplace, and provides practical application of this knowledge to planning activities, hazard communication programs, and chemical spill responses.

Chemistry I provides students with an introduction to the chemistry of hazardous materials. This course will explore basic chemistry concepts, areas such as: elements, atomic structure, the periodic table, electronic configuration, bonding, and chemical formulas. In addition, the chemistry and hazards associated with hydrocarbons, hydrocarbon derivatives, and fire and pyrolysis will be covered in detail.

**Hours:** 24

**Cost:** \$390 (2 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1028961

**Dates and Locations:** October 21-23, 2013 in Lansing  
April 8-10, 2014 in Lansing

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## Chemistry II

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Chemistry II is the next level course in this series which reinforces the information and concepts learned in Chemistry I. This course will explore, in detail, the chemistry of each of the United States Department of Transportation's (DOT's) nine hazard classes.

**Prerequisite:** Chemistry I

**Hours:** 24

**Cost:** \$340 (2 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1029000

**Dates and Locations:** November 5-7, 2013 in Lansing  
May 6-8, 2014 in Lansing

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## Confined Space Rescue–Emergency Response 32-Hour

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This course has been developed for members of public and private sector emergency rescue organizations and meets the objectives of the NFPA 1670 Technical Rescue Standard. This course provides the information and skills necessary for emergency response organizations to effectively and safely conduct confined space rescue operations. Areas covered will include: confined space regulations, incident management, interior operations, atmospheric monitoring, rescue ventilation, lockout for rescue, respiratory protection, PPE, rescue team development, and pre-planning.

**Hours:** 32

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.



Under existing health and safety rules, rescue capability must be readily available at every location where workers enter a permit-required confined space (PRCS). The primary goal of this rescue course is to teach students how to develop pre-accident plans for various rescues and rescue skills needed to remove a victim from a permit space.

This two-day course is for anyone who, during the course of their employment, is expected to make rescues from confined spaces. This course is a combination of classroom and practical scenarios in actual confined spaces. The program content is easily modified to meet the specific hazards of the PRCS of your facility.

### Course Objectives

- Preparing a rescue plan
- Rescue equipment overview
- Patient packaging
- Air supply systems
- Command and communicator (radio communications systems)
- Air monitoring
- Lockout/tagout

**Prerequisite:** Permit Required Confined Space Entry - Private Sector

**Hours:** 16

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.



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## Federal Emergency Management Agency, National Domestic Preparedness Consortium (FEMA/NDPC) Training

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The [National Domestic Preparedness Consortium \(NDPC\)](#) is a partnership of several nationally recognized organizations whose membership is based on the urgent need to address the counter-terrorism preparedness needs of the nation's emergency first responders within the context of all hazards including chemical, biological, radiological, and explosive Weapons of Mass Destruction (WMD) hazards. The NDPC membership includes the Center for Domestic Preparedness (CDP) in Anniston, Alabama; the Energetic Materials Research and Testing Center (EMRTC), a division of the New Mexico Institute of Mining and Technology (New Mexico Tech) in Socorro, New Mexico; The National Center for BioMedical Research and Training (NCBRT), at Louisiana State University (LSU) in Baton Rouge, Louisiana; The National Emergency Response and Rescue Training Center (NERRTC) at Texas A&M University in College Station, Texas; Counter Terrorism Operations Support (CTOS)/The Nevada Test Site (NTS) in North Las Vegas, Nevada; and, the Transportation Technology Center, Inc. (TTCI) in Pueblo, Colorado.

The NDPC training programs are tailored for a broad spectrum of emergency responders, including fire service, hazardous materials, law enforcement, emergency medical services, public health, emergency management, public works agencies, governmental administrative, healthcare, and public safety communications.

Residential training is provided at no cost to eligible participants at the following listed locations. Please visit their Web site for complete course availability, prerequisites, and a printable application.

- Center for Domestic Preparedness (CDP) <https://cdp.dhs.gov/>
- Energetic Materials Research and Testing Center (EMRTC), a division of New Mexico Tech <http://www.emrtc.nmt.edu/training/>
- Center for Radiological/Nuclear Training (CTOS) <http://www.ctosnnsa.org/>
- National Center for Emergency Response in Surface Transportation (NCERST)/Security and Emergency Response Training Center (SERTC) <http://www.sertc.org/>

Mobile training that agencies can host locally in their region is also available through the following listed sites. Please visit their Web site for more details.

- National Center for Biomedical Research and Training (NCBRT) <http://www.ncbrt.lsu.edu/>
- Texas Engineering Extension Service, National Emergency Response and Rescue Training Center (TEEX-NERRTC) <http://www.teex.org/nerrtc/>

**Please fax your completed application to the State of Michigan Point of Contact (POC), Sgt. Michele Darling at 517-322-6442 or e-mail [DarlingM1@michigan.gov](mailto:DarlingM1@michigan.gov).**

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## First Receiver Training for Health Care Professionals

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This 16-hour course includes materials that bring the student up to the hazmat operations level and covers the additional information required by the OSHA First Receiver Standard regarding decontamination and personal protective equipment for hospital personnel. Also covered in this course is information about weapons of mass destruction and the decontamination of those agents. This class provides hands-on decontamination activities, decon line setup, and dressout in protective clothing to support the classroom presentations.

This course is eligible for Standardized E.M.S. Continuing Education Credits. Please reference the Pre-Approved Standardized CE Credits guide available at [http://www.michigan.gov/mdch/0,4612,7-132-2946\\_5093\\_28508-47472--00.html#Forms\\_Pubs](http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--00.html#Forms_Pubs) for further details.

**Prerequisite:** CBRNE/WMD Awareness is recommended

**Hours:** 16

**MI-TRAIN Course ID:** 1029097

Call (248) 390-4621 or e-mail [leichtnerj@michigan.gov](mailto:leichtnerj@michigan.gov) for cost and to schedule.

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## First Receiver Training for Health Care Professionals Train-the-Trainer [Return to List](#)

This eight-hour course includes materials covered in the CBRNE/WMD Defensive Operations for Health Care Professionals course, but is taught at a pace for people who will be instructing their own staff. Also covered will be suggestions about presenting the course material. This course is geared for people who already have training skills and are presently instructors.

This course is eligible for Standardized E.M.S. Continuing Education Credits. Please reference the Pre-Approved Standardized CE Credits guide available at [http://www.michigan.gov/mdch/0,4612,7-132-2946\\_5093\\_28508-47472--,00.html#Forms\\_Pubs](http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--,00.html#Forms_Pubs) for further details.

**Prerequisites:** First Receiver Training for Health Care Professionals and be a Certified Instructor.

**Hours:** 8

**MI-TRAIN Course ID:** 1034433

Call (248) 390-4621 or e-mail [feichtnerj@michigan.gov](mailto:feichtnerj@michigan.gov) for cost and to schedule.

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## Gasoline Tank Truck Emergencies

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Gasoline tank trucks travel through almost every community in Michigan, and most of the time they safely deliver their product without incident. Unfortunately, when an accident does happen, it can quickly escalate to a major emergency. Is your department prepared if you are called to a gasoline tank truck that is rolled over, leaking, or on fire?

This eight-hour Gasoline Tank Truck Emergencies course will train responders on the proper steps to take at gasoline tank truck emergencies. This course will cover first responder operations including hot zone, rescue operations, emergency valve shut off, car vs. tanker with extrication, defensive leak control, and fire attack. Technician level topics will include dome clamp application, foam considerations, alternative fuels, scene management, bonding/grounding and overseeing product transfers. Command level topics will include strategy selection, developing incident action plans, evacuations, resource deployment, mutual aid/inter-agency cooperation, and environmental considerations.

**Hours:** 8

**Cost:** \$130

**MI-TRAIN Course ID:** 1029099

**Dates and Locations:** May 19, 2014 in Lansing  
September 16, 2014 in Lansing

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## Hazard Communication and Right-to-Know

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This one-day course is intended to comprehensively address the issue of evaluating the potential hazards of chemicals and communicating information concerning hazards and appropriate protective measures of employees. It will also assist in developing and maintaining a written hazard communication program for the workplace in compliance with 29 CFR 1910.1200 and MIOSHA Part 42, 92, and 430 the Michigan Hazard Communication and Right-to-Know Standard.

**Hours:** 8

**MI-TRAIN Course ID:** 1032780

Call (517) 322-1853 or e-mail [garciaat@michigan.gov](mailto:garciaat@michigan.gov) for cost and to schedule.

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## Hazardous Materials Emergency Medical Service (EMS) Part I

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The Hazardous Materials Emergency Medical Service (EMS) Part I and II courses mirror the curriculum for the two week Advanced Life Support (ALS) for HAZMAT course provided by the National Fire Academy.

In depth chemistry, as it relates to hazardous materials; the medical management of victims; and the development and management of the hazardous materials components of the medical support system are the three primary focuses of Part I and II of this course. Toxicology and decontamination procedures are covered from an advanced EMS viewpoint. Strategies for safe emergency medical interaction with contaminated victims are discussed in detail.

This course is eligible for Standardized E.M.S. Continuing Education Credits. Please reference the Pre-Approved Standardized CE Credits guide available at [http://www.michigan.gov/mdch/0,4612,7-132-2946\\_5093\\_28508-47472--,00.html#Forms\\_Pubs](http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--,00.html#Forms_Pubs) for further details.

**Eligibility Prerequisite:** Being a medical providers such as physicians, nurses, mid-levels, emergency medical technicians, paramedics, respiratory therapists, and other professionals whose daily occupation requires them to either direct or participate in the care and treatment of a patient, whether in or out of the hospital in a or due to a hazmat environment.

**Prerequisite:** ICS 100 level and ICS 200 level training

**Hours:** 24

**Cost:** \$340 (2 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1034592

**Dates and Locations:** January 29-31, 2014 in Lansing  
August 20-22, 2014 in Lansing

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## Hazardous Materials Emergency Medical Service (EMS) Part II

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The Hazardous Materials Emergency Medical Service (EMS) Part I and II courses mirror the curriculum for the two week Advanced Life Support (ALS) for HAZMAT course provided by the National Fire Academy.

In depth chemistry, as it relates to hazardous materials; the medical management of victims; and the development and management of the hazardous materials components of the medical support system are the three primary focuses of Part I and II of this course. Toxicology and decontamination procedures are covered from an advanced EMS viewpoint. Strategies for safe emergency medical interaction with contaminated victims are discussed in detail.

This course is eligible for Standardized E.M.S. Continuing Education Credits. Please reference the Pre-Approved Standardized CE Credits guide available at [http://www.michigan.gov/mdch/0,4612,7-132-2946\\_5093\\_28508-47472--,00.html#Forms\\_Pubs](http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--,00.html#Forms_Pubs) for further details.

**Eligibility Prerequisite:** Being a medical providers such as physicians, nurses, mid-levels, emergency medical technicians, paramedics, respiratory therapists, and other professionals whose daily occupation requires them to either direct or participate in the care and treatment of a patient, whether in or out of the hospital in a or due to a hazmat environment.

**Prerequisite:** ICS 100 level training, ICS 200 level training, and Hazardous Materials EMS Part I

**Hours:** 24

**Cost:** \$340 (2 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1034595

**Dates and Locations:** February 26-28, 2014 in Lansing  
September 17-19, 2014 in Lansing

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## Hazardous Materials Incident Command Level Responder Refresher [Return to List](#)

In accordance with OSHA CFR 1910.120 and MIOSHA Part 432 the HAZWOPER standards, those trained as Incident Commanders, first responder operational level responder, or hazmat technicians for response to hazmat incidents will require annual refresher training.

"Those employees who are trained in accordance with the provisions of this rule (MIOSHA Part 432) shall receive annual refresher training of sufficient content and duration to remain competent with respect to their duties and functions or shall demonstrate competency in those areas at least yearly."

This program will review the following competencies for Incident Commanders:

- Knowing and being able to implement the employer's incident command system.
- Knowing how to implement the employer's emergency response plan.
- Knowing and understanding the hazards and risks associated with employees who work in chemical protective clothing.
- Knowing how to implement the local emergency response plan.
- Being aware of the state emergency response plan and the federal regional response team.
- Knowing and understanding the importance of decontamination procedures.

**Prerequisites:** Hazardous Materials First Responder Operations, ICS 100, 200 or equivalent

**Hours:** 8

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Hazardous Materials Incident Command System [Return to List](#)

On scene incident commanders who will assume control of a hazardous materials incident scene beyond the first responder awareness level shall receive training equal to the first responder operations level of MIOSHA Part 432 and, in addition, be competent in all of the following areas:

- Knowing and being able to implement the employer's incident command system.
- Knowing how to implement the employer's emergency response plan.
- Knowing and understanding the hazards and risks associated with employees who work in chemical protective clothing.
- Knowing how to implement the local emergency response plan.
- Being aware of the state emergency response plan and the federal regional response team.
- Knowing and understanding the importance of decontamination procedures.

This course will address all these competencies as well as those listed in NFPA 472, Chapter 8.

**Prerequisites:** First Responder Operations

**Hours:** 16

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Hazardous Materials Incident Response Operations EPA 165.5 (40-Hour HAZWOPER)

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Michigan's Emergency Management and Homeland Security Training Center is an approved external provider of this EPA 40-hour training program which is designed for personnel involved with the investigation and remediation of hazardous waste sites. Upon completion of this course, students will be more knowledgeable about hazardous waste site operations, team functions, personnel health and safety, and field monitoring equipment. The following topics are included in this course: hazard recognition, air monitoring, toxicology, respiratory protection, levels of protection and chemical protective clothing, site entry and reconnaissance, radiation survey instruments, decontamination, and response organization. This course is based on HAZWOPER 1910.120.

This course can also be brought to your facility, please call (517) 322-6320 or e-mail [salinasp@michigan.gov](mailto:salinasp@michigan.gov) for cost and to schedule.

**Prerequisites:** Hazardous Materials First Responder Awareness

**Hours:** 40

**Cost:** \$545 (4 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1029070

**Dates and Locations:** March 3-7, 2014 in Lansing

September 8-12, 2014 in Lansing

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## Hazardous Materials Officer (NFPA 472, Chapters 11 and 12)

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This four-day course is intended to provide participants with the knowledge and skills necessary to meet the educational competencies as outlined in NFPA 472, Chapter 11: Competencies for the Hazardous Materials Branch Director/Group Supervisor and Chapter 12: Competencies for the Hazardous Materials Branch Safety Officer.

The Hazardous Materials Group Supervisor is the person responsible for directing and coordinating all operations assigned to the hazardous materials branch by the Incident Commander. The Hazardous Materials Assistant Safety Officer is the person working within the Unified Incident Command System (UICS) to ensure recognized safe practices are followed within the hazardous materials team.

The Hazardous Materials Officer program will also define the responsibilities and roles of specific Hazardous Materials Team functions of Entry Team Leader, Decon Team Leader, Site Access Control Team Leader, and Safe Refuge Area Manager.

This course is designed around lecture, group discussions, multiple tabletop exercises, and computer simulation exercises. This course can also be taught onsite at your department by sending a request to [garciat@michigan.gov](mailto:garciat@michigan.gov).

**Prerequisite:** Hazardous Materials Technician Parts I & II and ICS 100 & ICS 200 or equivalent

**Hours:** 32

**Cost:** \$340 (3 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1034094

**Dates and Locations:** November 18-21, 2013 in Lansing

April 14-17, 2014 in Lansing

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## Hazardous Materials Operations Level Responder Refresher

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In accordance with OSHA CFR 1910.120 and MIOSHA Part 432 the HAZWOPER standards, those trained as Incident Commanders, first responder operational-level responders, or hazmat technicians for response to hazmat incidents will require annual refresher training.

"Those employees who are trained in accordance with the provisions of this rule (MIOSHA Part 432) shall receive annual refresher training of sufficient content and duration to remain competent with respect to their duties and functions or shall demonstrate competency in those areas at least yearly."

This program will address all defensive tactical responsibilities operational level trained personnel have for performing at hazmat incidents including:

- Knowledge of the basic hazard and risk assessment techniques.
- Knowing how to select and use proper personal protective equipment provided to the first responder operational level.
- Understanding basic hazardous materials terms.
- Knowing how to perform basic control, containment, and confinement operations within the capabilities of the resources and personal protective equipment available to their unit.
- Knowing how to implement basic decontamination procedures.
- Understanding relevant standard operating procedures and termination procedures.

**Prerequisite:** Hazardous Materials First Responder Operations

**Hours:** 8

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Hazardous Materials Operations Level Response–Private Sector

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This program is designed for private sector and intended to provide the client with the minimum amount of training required under OSHA regulations and applicable MIOSHA rules. Course content includes implementing the employer's emergency response plan, use of field survey instruments to classify, identify, and verify hazardous materials used on site, incident command, use of personal protective equipment provided by the employer, decontamination, hazard/risk assessment, control/containment/confinement techniques, termination procedures, and basic chemical and toxicological terminology and behavior relevant to the materials used or stored on site.

**Prerequisite:** Hazard Communication and Right-to-Know or Hazardous Materials First Responder Awareness

**Hours:** 8, 16, or 24 hours–based upon each facility's site-specific hazards

**MI-TRAIN Course ID:** 1037212

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Hazardous Materials Technician Level Responder Refresher

[Return to List](#)

In accordance with OSHA CFR 1910.120 and MIOSHA Part 432 the HAZWOPER standards, those trained as Incident Commanders, first responder operational level responders, or hazmat technicians for response to hazmat incidents will require annual refresher training. "Those employees who are trained in accordance with the provisions of this rule (MIOSHA Part 432) shall receive annual refresher training of sufficient content and duration to remain competent with respect to their duties and functions or shall demonstrate competency in those areas at least yearly."

This program will address all offensive tactical responsibilities technician level trained personnel have for performing at hazmat incidents including:

1. Knowing how to implement the employer's emergency response plan.
2. Knowing the classification, identification, and verification of known and unknown materials by using field survey instruments and equipment.
3. Being able to function within an assigned role in the incident command system.
4. Knowing how to select and use proper specialized chemical personal protective equipment provided to the hazardous materials technician.
5. Understanding hazard and risk assessment techniques.
6. Being able to perform advance control, containment, and confinement operations within the capabilities of the resources and personal protective equipment available to the unit.
7. Understanding and implementing decontamination procedures.
8. Understanding termination procedures.
9. Understanding basic chemical and toxicological terminology and behavior.

This course is eligible for Standardized E.M.S. Continuing Education Credits. Please reference the Pre-Approved Standardized CE Credits guide available at [http://www.michigan.gov/mdch/0,4612,7-132-2946\\_5093\\_28508-47472--\\_00.html#Forms\\_Pubs](http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--_00.html#Forms_Pubs) for further details.

**Prerequisite:** Hazardous Materials Technician (24-hour, 40-hour, or 80-hour)

**Hours:** 8

**MI-TRAIN Course ID:** 1030540

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Hazardous Materials Technician Level Response–Private Sector–24 Hour and 40 Hour

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This course provides information and skills needed to recognize, evaluate, and control an incident involving the release, or potential release, of hazardous materials at the technician level. The focus of this course is on recognizing and evaluating a hazardous materials incident, organizing the response team, identifying and using response resources, decision-making, and protecting the public and environment. Participants will wear fully encapsulating chemical protective ensembles.

This course addresses the training competencies of 29 CFR 1910.120 and Michigan's CIS/OHS-HAZWOPER Part 432.

Course content includes implementing the employer's emergency response plan, use of field survey instruments to classify, identify, and verify hazardous materials used on-site, incident command, use of personal protective equipment provided by the employer, decontamination, hazard/risk assessment, control/containment/confinement techniques, termination procedures, and basic chemical and toxicological terminology and behavior relevant to the materials used or stored on-site. Students will qualify to perform limited offensive tactics required for site specific hazards.

The course length will be a minimum 24 hours up to 40 hours. A site hazard analysis will be performed of the facility to determine the recommended length the program should be.

**Prerequisite:** Hazardous Materials First Responder Operations

**Hours:** 24 or 40

**MI-TRAIN Course ID:** 1033199

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.



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## Hazardous Materials Technician Part I

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This course provides information and skills needed to recognize, evaluate, and control an incident involving the release, or potential release, of hazardous materials at the technician level. The focus of this course is on recognizing and evaluating a hazardous materials incident, organizing the response team, identifying and using response resources, decision-making, and protecting the public and environment. This course contains approximately 24 hours of classroom presentation, and 16 hours of hands-on exercises and equipment use, thus allowing for the practical application of all lecture and hands-on information the students have received. Participants will wear fully encapsulating chemical protective ensembles.

This course has been completely reworked and overhauled to better meet the needs of the hazardous materials response community to achieve the NIMS requirements for Hazardous Materials Response Teams and addresses the competencies of 29 CFR 1910.120, Michigan's CIS/OHS-HAZWOPER Part 432, NFPA 472, and HMEP Guidelines for Public Sector Hazardous Materials Training. The new program is based on an 80-hour training curriculum that is broken down into many formats to allow more responders the opportunity to attend the training.

**Prerequisite:** Hazardous Materials First Responder Operations

**Hours:** 40

**Cost:** \$545 (4 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1029020

**Dates and Locations:** March 17-21, 2014 in Lansing

\*May 9-11 and 16-18, 2014 in Lansing

September 22-26, 2014 in Lansing

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\* Weekend Course Hours: Friday 6 PM-10 PM, Saturday and Sunday 8 AM-5 PM

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## Hazardous Materials Technician Part II

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This advanced-level course includes specific training about a variety of fixed site and transportation topics an emergency responder is likely to encounter. Instruction and practical application is included regarding small package goods, chlorine cylinders, drum patching/handling, highway cargo tanks, railroad tank cars, product transfer operations, and above-ground storage tanks. The skills learned are reinforced through a variety of hands-on applications and response scenarios.

This course has been completely reworked and overhauled to better meet the needs of the hazardous materials response community to achieve the NIMS requirements for Hazardous Materials Response Teams and addresses the competencies of 29 CFR 1910.120, Michigan's CIS/OHS-HAZWOPER Part 432, NFPA 472, and HMEP Guidelines for Public Sector Hazardous Materials Training. The new program is based on an 80-hour training curriculum that is broken down into many formats to allow more responders the opportunity to attend the training.

**Prerequisite:** Hazardous Materials Technician Part I

**Hours:** 40

**Cost:** \$545 (4 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1029041

**Dates and Locations:** October 14-18, 2013 in Lansing

April 21-25, 2014 in Lansing

August 25-29, 2014 in Lansing

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## Hazardous Waste Operations (HAZWOPER) 8-Hour Refresher

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This one-day course provides participants with the opportunity to review and practice the skills originally presented in 24-hour and 40-hour training programs. This course is intended to meet OSHA annual refresher training requirements in accordance with 29 CFR 1910.120, Paragraphs e and q.

This course can also be held at your facility and delivered to a group. For additional information, or for the cost of holding this course at your facility, please call 517-322-6320 or e-mail [salinasp@michigan.gov](mailto:salinasp@michigan.gov).

**Prerequisite:** 24-hour or 40-hour HAZWOPER course

**Hours:** 8

**Cost:** \$130

**MI-TRAIN Course ID:** 1029004

**Dates and Locations:** November 13, 2013 in Lansing

February 19, 2014 in Lansing

May 1, 2014 in Lansing

September 3, 2014 in Lansing

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## Hazardous Waste Operations for Site Supervisors

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Developed for on-site management and supervisory personnel, this one-day course provides instruction as required by MIOSHA Rule 325.52110(5). Topics include developing and/or implementing the employer's safety and health program, employee training programs, personal protective equipment program, spill containment, and health hazard monitoring procedures and techniques.

**Hours:** 8

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## HazMatIQ First Responder Offensive—Operations Level

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The HazMatIQ First Responder Offensive system incorporates the proven "Above the line /Below the Line" size-up tool while instructing First Responders equipped with a handful of instruments, whether they can safely enter the Hot Zone to attempt a rescue. This is accomplished by teaching responders how to use and understand meters (Radiation meter, 4-gas meter and Temperature Gun) and reagent papers (pH and F papers). This equipment assures their safety when they choose to enter the hot zone to attempt a rescue.

**Hours:** 4

**Cost:** \$65

**MI-TRAIN Course ID:** 1033910

**Dates and Locations:** October 2, 2013 (8 AM-Noon) in Lansing

October 2, 2013 (1-5 PM) in Lansing

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## HazMatIQ Above the Line/Below the Line–Technician Level

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The HazMatIQ Above The Line/Below The Line system is developed by responders, for responders and only available from HazMatIQ. The HazMatIQ system incorporates trademarked innovative street smart “Cheat Sheets” that enable responders to safely and efficiently respond to any known or unknown chemical or mixture. Students taking this course will be able to size-up (physical state, hazards, initial hot zone, correct meters and PPE) any chemical in minutes. The system then coaches responders through a streamlined chemical research method to verify their initial size-up, preparing responders to immediately go to work when they arrive on a Hazardous Materials/WMD event.

**Hours:** 8

**Cost:** \$130

**MI-TRAIN Course ID:** 1033943

**Dates and Locations:** October 3, 2013 in Lansing  
January 8, 2014 in Lansing  
February 13, 2014 in Lansing

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## Highway Cargo Tank Specialty

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This three-day course is designed and intended for hazardous materials team members who respond to releases, or potential releases, of hazardous materials from cargo tank trucks for the purpose of controlling the releases. This program provides the responder with the knowledge and skills necessary to analyze an incident involving a cargo tank truck, to plan a response within the capabilities and competencies of available personnel and equipment, and to implement the planned response to mitigate the hazardous incident. Responders will be given several scenarios in this class including both tabletop and hands-on exercises using real tank trucks.

**Prerequisites:** Hazardous Materials Technician

**Hours:** 24

**Cost:** \$390 (2 nights of double occupancy lodging included)

**MI-TRAIN Course ID:** 1034713

**Dates and Locations:** March 24-26, 2014 in Lansing

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## ICS 300–Intermediate ICS for Expanding Incidents

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This course provides training on and resources for personnel who require advanced application of the Incident Command System (ICS).

The target audience for this course is for individuals who may assume a supervisory role in expanding incidents or Type 3 incidents. Note: During a Type 3 incident, some or all of the Command and General Staff positions may be activated, as well as Division/Group Supervisor and/or Unit leader level positions. These incidents may extend into multiple operational periods. This course expands upon information covered in the ICS-100 and ICS-200 courses.

This course is eligible for Standardized E.M.S. Continuing Education Credits. Please reference the Pre-Approved Standardized CE Credits guide available at [http://www.michigan.gov/mdch/0,4612,7-132-2946\\_5093\\_28508-47472--\\_00.html#Forms\\_Pubs](http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--_00.html#Forms_Pubs) for further details.

**Prerequisites:** ICS-100 and ICS-200

**Hours:** 16

**Cost:** \$210 (1 night of double occupancy lodging included)

**MI-TRAIN Course ID:** 1029037

**Dates and Locations:** October 29-30, 2013 in Lansing  
April 1-2, 2014 in Lansing

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## ICS-400 Advanced ICS Command and General Staff–Complex Incidents

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This course provides training on and resources for personnel who require advanced application of the Incident Command System (ICS).

The target audience for this course is senior personnel who are expected to perform in a management capacity in an Area Command or Multi-agency Coordination Entity. This course expands upon information covered in the ICS-100, ICS-200, and ICS-300 courses.

The course goals are as follows:

- Explain how major incidents engender special management challenges.
- Describe the circumstances in which an Area Command is established.
- Describe the circumstances in which multiagency coordination systems are established.

This course is eligible for Standardized E.M.S. Continuing Education Credits. Please reference the Pre-Approved Standardized CE Credits guide available at [http://www.michigan.gov/mdch/0,4612,7-132-2946\\_5093\\_28508-47472--00.html#Forms\\_Pubs](http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--00.html#Forms_Pubs) for further details.

**Prerequisites:** ICS-100, ICS-200, and ICS-300

**Hours:** 16

**Cost:** \$210 (1 night of double occupancy lodging included)

**MI-TRAIN Course ID:** 1029045

**Dates and Locations:** December 16-17, 2013 in Lansing  
April 28-29, 2014 in Lansing

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## Incident Command System/Emergency Operations Center (ICS/EOC) Interface–All Disciplines G-191

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This course will introduce you to the roles of the Incident Command System (ICS) and Emergency Operations Centers (EOCs) during emergency operations, and discuss ways to develop an ICS/EOC interface implementation strategy or action plan for your community.

**Prerequisite:** IS-100, IS-200 or equivalent

**Hours:** 8

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Incident Command System (ICS) Private Sector

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Private organizations working to implement a crisis or incident management structure as part of their business continuity program often look to available public standards for guidance. One such structure, a standard practice throughout much of the public sector, is called the Incident Command System, or ICS. This two-day program introduces the Incident Command System (ICS) and provides the foundation for higher level ICS training. This course describes the history, features, principles, and organizational structure of the Incident Command System. It also explains the relationship between ICS and the National Incident Management System (NIMS).

**Hours:** 16

**MI-TRAIN Course ID:** 1037214

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

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## Intermodal Specialty for Hazardous Materials Technicians

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Intermodal containers are containers which can be used interchangeably in different modes of transportation. Examples of intermodal containers include both tank and box containers. More than four million such containers are in use around the world. Problems may arise when hazardous materials are packed - whether properly or improperly - inside intermodal containers and external markings are not present to warn workers or emergency responders of the contents.

This program provides information for emergency responders and industry personnel who work with or who may respond to emergencies involving intermodal containers. It covers:

- How intermodal containers are constructed and used
- How accidents happen
- Standards for IMO Type 1, Type 2, Type 5 and Type 7 containers
- Features of specialized containers
- Safety procedures to minimize accidents during loading and unloading operations
- Procedures for safe response to emergencies involving both tank and box containers
- Identifying hazardous materials
- Using protective clothing
- Isolating the accident scene
- Managing leaks and fires

This program will meet all competencies in NFPA 472 Chapter 14 "Competencies for Technicians with an Intermodal Tank Specialty."

**Prerequisite:** Hazardous Materials Technician NFPA 472 Chapter 7 compliance

**Hours:** 16

Call (517) 322-1853 or e-mail [garcia@michigan.gov](mailto:garcia@michigan.gov) for cost and to schedule.

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## Introduction to CAMEO Suite (PER 229)

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This course is taught by National Center for Biomedical Research and Training Academy of Counter-Terrorist Education & Louisiana State University certified instructors. This performance-level course provides training on the fundamental elements of the CAMEO Suite of programs as they relate to emergency situations. As such, it includes detailed technical information and hands-on practice of critical elements of the CAMEO<sup>fm</sup> system and its associated programs (ALOHA, MARPLOT, Landview, and Tier II Submit). To better understand how the programs interface, participants are provided opportunities to practice key procedures that allow users to enhance planning and response activities associated with community risks. These exercises clarify the connections between the programs and how they can enhance emergency planning and response activities. The target audience for this course is EMS, EMA, FS, HC, HM, LE, or PH. This course is a U.S. Department of Homeland Security funded program, and is eligible for funding through the State Homeland Security Grant Program (SHSGP).

**Hours:** 24

**Cost:** No Cost

**MI-TRAIN Course ID:** 1029062

**Dates and Locations:** February 4-6, 2014 in Allegan County

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## Mercury Spill Response

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Both public and private sector hazardous materials responders are presented with many challenges when operating at a mercury-spill emergency. These challenges include mercury vapor monitoring capabilities, personnel protection, product recovery, and removal. This 4-hour training course will introduce risk based response tactical guidelines, emergency handling techniques, and toxicological effects for mercury related spills.

**Hours:** 4

**MI-TRAIN Course ID:** 1032685

E-mail [salinasp@michigan.gov](mailto:salinasp@michigan.gov) or call (517) 322-6320 for cost and to schedule.

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## Permit Required Confined Space (PRCS) Entry–Private Sector

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This three-day course is designed to increase the student's knowledge of hazards associated with permit-required confined space entry. Topics include the OSHA required confined space entry standard, hazards associated with entry procedures, personal protective equipment, and related limitations. The course objective is determining if an area is a confined space by:

- Analyzing hazards to determine if the space is a PRCS.
- Recognizing, evaluating, preventing, and abating safety and health hazards associated with PRCS entry.
- Documenting violations of the permit-required confined space standards.
- Evaluating or writing a specific permit-required confined space program.

**Hours:** 24

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for cost and to schedule.

### NFPA 472 Hazardous Materials Technician Level Compliance Program

Emergency responders requiring the need to acquire hazardous materials technician level training compliant with NFPA, will need to complete the following programs and successfully complete a comprehensive examination over all subject material.

Hazardous Materials Awareness Level Response or equivalent .....	4 Hours
Hazardous Materials Operations Level Response or equivalent .....	24 Hours
Emergency Response to Terrorism Awareness Level .....	4 Hours
WMD Radiological/Nuclear Responder Operations Course.....	24 Hours
Incident Command System 100/200 Level training or equivalent .....	16 Hours
EMI Independent Study-Emergency Planning (online) .....	10 Hours
EMI Independent Study-Hazardous Materials Contingency Planning (online) .....	1 Hour
Hazardous Materials Technician I and II .....	80 Hours
Evidence Collection and Sampling Techniques Program .....	16 Hours
Chemistry I .....	24 Hours
Air Monitoring for Emergency Response (EPA 165.4) .....	24 Hours
<b>Total Hours .....</b>	<b>227 Hours</b>

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for information or to schedule a test date.

### Professional Recognition Program

The Emergency Management and Homeland Security Training Center has joined forces with several organizations in Michigan to develop a professional recognition program for hazardous materials and technical rescue planners, responders, professionals, and instructors in Michigan. The Emergency Management and Homeland Security Division, through its Emergency Management & Homeland Security Training Center, firmly believes our primary mission is to raise the professional standing of the field of hazardous materials planning, mitigation, and response by providing leadership and coordination through instructional programs and other skill enhancement opportunities. Becoming recognized as a hazardous material "professional" is for anyone with a commitment to both personal and system development. This is NOT just another required program. In fact, the achievement of these professional levels is strictly optional. We are confident, however, these programs will provide the opportunity for individuals to reach a higher level of competency and leadership capability in their chosen field, and improve the organizations to which they belong. Completion of this program can lead to a college degree.

#### Hazardous Materials Professional Recognition Program

This program requires successful completion of the following hazardous materials related courses and a comprehensive examination. These courses include:

NFPA 472 Hazardous Materials Technician Level Compliant Program.....	227 Hours
Chemistry II.....	24 Hours
Advanced Air Monitoring.....	24 Hours
Cargo Tank Specialty Program.....	32 Hours
Railcar Specialty for Hazardous Materials Technician .....	24 Hours
Intermodal Specialty for Hazardous Materials Technician .....	16 Hours

Call (517) 322-1853 or e-mail [garciat@michigan.gov](mailto:garciat@michigan.gov) for information or to schedule a test date.

### Bachelor Degree

Siena Heights University and the Michigan State Police, Emergency Management and Homeland Security Training Center (MSP/EMHSTC) have teamed up to offer firefighters, hazardous materials team members, and other responders the opportunity to achieve a bachelor degree in public safety. After completing the Hazardous Materials Emergency Response Professional Recognition Program developed by the EMHSTC and the Michigan Association of Hazardous Materials Responders (MAHMR), the interested individual will receive a certificate worth 35 credit hours and can apply for acceptance into Siena Heights University's Bachelor of Public Safety program. It takes 120 credit hours to achieve this goal. Additional credit will be granted for completion of Firefighter I and II as well as emergency medical training.



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## Railcar Specialty for Hazardous Materials Technician

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The goal of the competencies at this level shall be to provide the hazardous materials technician with a tank car specialty with the knowledge and skills to perform tasks safely. It is in compliance with NFPA 472, Chapter 12.1.2.1.

When responding to hazardous materials/WMD incidents, the hazardous materials technician with a tank car specialty shall be able to perform the following tasks:

1. Analyze a hazardous materials/WMD incident involving tank cars to determine the complexity of the problem and potential outcomes by completing the following tasks:
  - a. Determine the type and extent of damage to tank cars.
  - b. Predict the likely behavior of tank cars and their contents in an emergency
2. Plan a response to an emergency involving tank cars within the capabilities and competencies of available personnel, personal protective equipment, and control equipment by determining the response options (offensive, defensive, and nonintervention) for a hazardous materials/WMD incident.
3. Implement or oversee the application of the planned response to a hazardous materials/WMD incident involving tank cars. NFPA 472, Chapter 12.1.2.2

**Prerequisites:** Hazardous Materials Technician Parts I and II

**Hours:** 24

**MI-TRAIN Course ID:** 1029065

E-mail [tackettc1@michigan.gov](mailto:tackettc1@michigan.gov) for cost and to schedule.

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## WMD Radiological/Nuclear Awareness (AWR-140)

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This course is a Federal Emergency Management Agency, National Domestic Preparedness Consortium (FEMA/NDPC) certified training course which is a WMD radiological/nuclear overview designed for first responders and other personnel who, in the course of their normal duties, are likely to be the first to arrive on the scene of a radiological/nuclear incident. It focuses on the basics of radiation, possible health effects, hazard identification, proper notification procedures, and the radiological/nuclear threat.

This course is eligible for Standardized E.M.S. Continuing Education Credits. Please reference the Pre-Approved Standardized CE Credits guide available at [http://www.michigan.gov/mdch/0,4612,7-132-2946\\_5093\\_28508-47472--,00.html#Forms\\_Pubs](http://www.michigan.gov/mdch/0,4612,7-132-2946_5093_28508-47472--,00.html#Forms_Pubs) for further details.

**Hours:** 6

Call (517) 322-6320 or e-mail [thompsonc3@michigan.gov](mailto:thompsonc3@michigan.gov) to schedule.